PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic control signal at the intersection of MD 22 and MD 543 in Harford County, Maryland. The modification involves replacing the dectors, conduit, and handholes for Easstbound MD 22. MD 22 is considered to run in an east/west direction.

II. INTERSECTION OPERATION

The intersection operates in NEMA eight (8) phase, full-traffic-actuated mode. There are exclusive/permissive left turn phases for both the east and westbound movements of MD 22. The MD 22 through movements operate concurrently. There are exclusive/permissive left turn phases for both the north and southbound movements of MD 543 along with a concurrent right turn overlap phase for the MD 22 eastbound to southtbound movement . The MD 543 through movements operate concurrently.

The existing cabinet/controller and phasing are to be utilized.

EQUIPMENT LIST

B. Equipment to be furnished and/or installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

reicquipii	none in this list t	mair nave eatalog	actor daplification approverprior to instanction.
Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
1	CY	205	Test pit excavation.
2	EA	811	Hándhólé.
2	EA	man and and	Micro-loop probe (set of 3) with 500 ft. lead-in cable.
40	LF	815	Sawcut for signalloop detector.
10	LF	805	1 in. liquid tight flexible non-metalic conduit for loop detector sleeve.
230	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit = trenched.
30	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
Lump Sum	LS	W77 1971 1978	Removal of existing traffic signal equipment.
Lump Sum	LS		As-built for S.H.A. Eon CADD3.

CONTACT LIST

The contact persons for District *4 are as follows:

Mr. Dave Malkowski District Engineer 410-321-2810

Mr. Randall Scott Assistant District Engineer - Traffic 410-321-2781

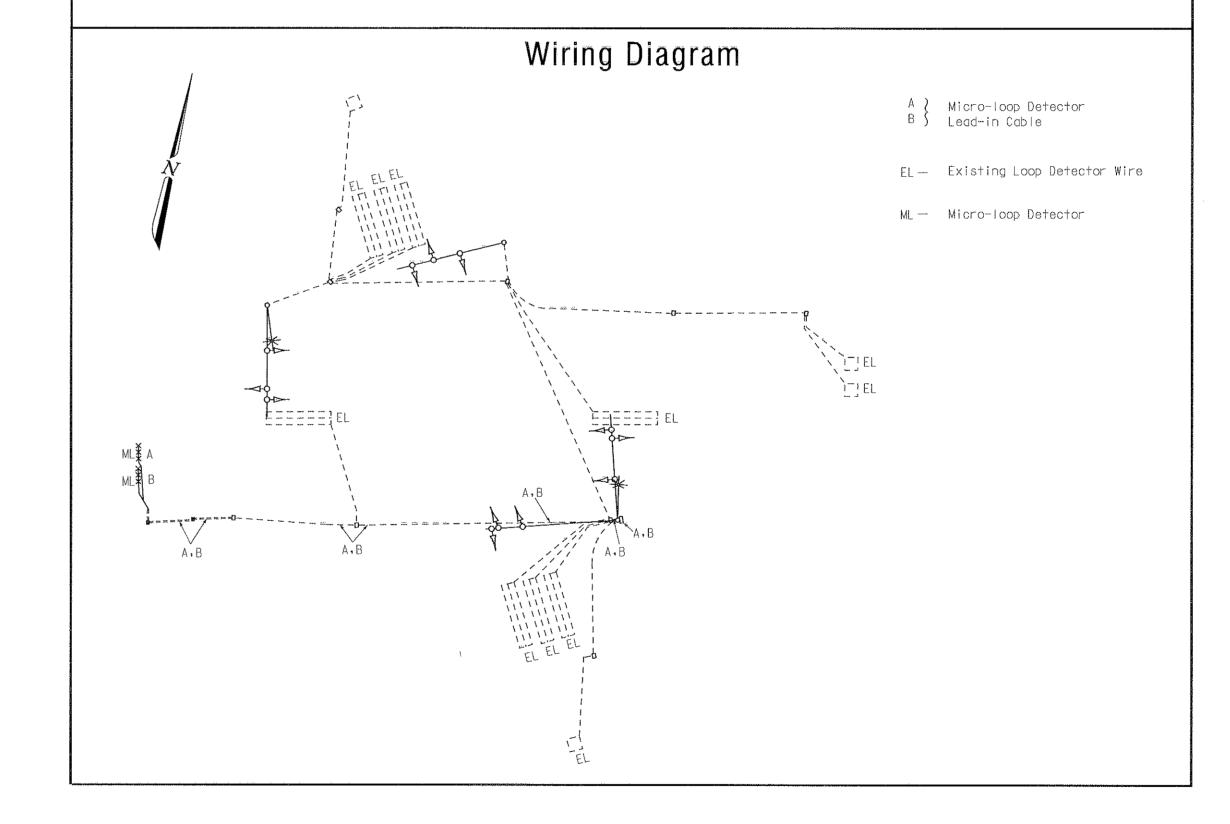
Mr. Joseph McMahon Assistant District Engineer - Utility 410-321-3460

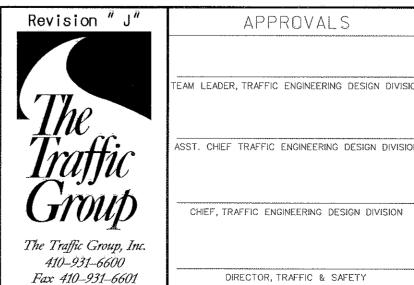
Mr. Dave Ramsey Assistant District Engineer - Maintenance 410-321-2761

Mr. Richard L. Daff Chief, Traffic Operations Division 410-787-7630

	1 (R) (Y) (Y)	2 (R)	3 (R) (Y) (Y)	4 (P)(Y)	5 (R) (4Y+)(Y)	6 (R) (Y)	7 (R) (Y) (Y)	8 (R) (4Y°)(Y)	9 (R) (Y)	10 (R)	11 (R) (¶Y=(Y)	12 (R)	
ş	(c)(c)	© ©	66	(c)(G)	©	6		(1)(Y) (C)(S)	(i)	6 6	6 6	Ğ	
Phase 1 & 5	R ⊸ G—	R ⊸ G—	R	R ⊸ -G	R ⊸ G—	R	R	R	Ŕ	R	R	R]
1 & 5 Change to Phase	1 & 6 o	r Phase	2 & 5	or Phase	2 & 6								7
Phase 1 & 6	G ⊸ G—	G ⊸ G	G	R	R	R	R	R	R	R	R	R	5
1 Change	G ⊸ Y—	G ← Y—	G	R	R	R	R	R	R	R	R	R	
Phase 2 & 5	R	R	R	G ⊸ G—	G - -G	G	R	R	R	R	R	R	4
5 Change	R	R	R	G - -Y—	Ğ → Y—	G	R	R	R	R	R	R	1 4
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R	R	Ŕ	4
2 & 6 Change	Υ	Υ	Y	Υ	Υ	Y	R	R	R	R	R	R	i
Phase 3 & 7	R	R	R G- >	R	R	R	R G-G-	R 	R	R 	R -G	R	
3 & 7 Change to Phase	e 3 & 8	or Phas	se 4 & 7	7 or Pha	se 4 &	8							-
Phase 3 & 8	R	R	R -G→	R	R	R	R	R	R	G -G-	G ⊸ G—	G	4
3 Change	R	R	R —Y→	R	R	R	R	R	R	G Y—	G ⊸Y—	G	1
Phase 4 & 7	R	R	R	R	R	R	G ⊸ G—	G - G−	G	R	R	R	
7 Change	R	R	R	R	R	R	Ğ ⊸ Y	G 	G	R	R	R	
Phase 4 & 8	R	R	R	R	R	R	G	G	G	G	G	G	
4 & 8 Change	R	R	R	R	Ŕ	Ŕ	Y	Υ	Υ	Υ	Υ	Y	1
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	#

Phase Chart





APPROVALS AM LEADER, TRAFFIC ENGINEERING DESIGN DIVISIO

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety

SHEET NO.

TRAFFIC ENGINEERING DESIGN DIVISION

(General Information Plan)

MD 22 at MD 543

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION DRAWN BY: Frank Hoeckel TS NO. 263J-GI CHECKED BY:___ S.H.A. NO. <u>BW996M82</u> T.I.M.S. NO. SCALE: Harford COUNTY: E-058 July 11, 2000 LÖĞ MILË: 12002203.5 DIRECTOR, TRAFFIC & SAFETY